

## AP Physics I: 2019 Summer Assignments

Welcome to the AP Physics I team!

AP Physics I is an introductory college level physics course. Concept development and problem solving are algebra and trigonometry based. The vast majority of the course will be spent on classical mechanics (force and motion), with some time spent on basic electronics. If you are interested in engineering or a physics-related career and are a Junior, you should consider taking AP Physics C next year, which is calculus based.

The three summer assignments that you are receiving will be part of your first quarter grade. You must mail these to me over the summer (the address is on the cover page of each assignment) and they must be postmarked by the dates listed below (no need for priority mail – simply make sure they are *postmarked* by the dates). They will be marked down for being late, so make sure you mail them in on time.

- Summer Assignment #1 – Monday July 1st, 2019
- Summer Assignment #2 – Monday July 15th, 2019
- Summer Assignment #3 – Monday August 5th, 2019

You will have seen most of the material covered in these assignments in your previous math and science classes, but each set of problems is preceded by a short explanation and an example problem. You will need to start the course feeling confident in the material covered in all three assignments, so it is very important that you do as much as you can on your own. There will be a quiz on the topics covered within the first two weeks of school at the start of the year.

For full credit, please follow all of the instructions below:

- All work is to be done in pencil in the space provided. If you need more space, use a blank piece of copy paper and clearly indicate which problem and which assignment it goes with.
- Show all steps and draw all diagrams (if relevant) used to solve the problem.
- Clearly indicate units, where appropriate.
- Box all final answers.

Points will be deducted if the above guidelines are not followed. I have attached a sample page with my complete solutions as an example of what is expected.

Please feel free to email me at [ngiguere@bishopoconnell.org](mailto:ngiguere@bishopoconnell.org) if you have any questions about the assignments or about the class. I look forward to working with you next year. Have a nice summer!

-Mr. Giguere